Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: Sodium Carboxymethyl cellulose
Synonymous: Carboxymethyl Cellulose, Carboxymethylcellulose
Dangerous Goods Class: NONE ALLOCATED
Subsidiary Risk: NONE ALLOCATED
CAS Number: 9004-32-4
H.S. Code: 39123100
Supplier: SINOCMC CO.,LIMITED
Tel: 86-532-80958862
Fax: 86-532-80958863
www.sino-cmc.com

2. HAZARDS IDENTIFICATION

Caution
Wet floors on which this powder is split may become very slippery. This powder when dispersed in air represents an explosion hazard.

Short Term Exposure
No permanent effects on humans known from discontinuous short-term exposure when used as directed.

Long Term Exposure
No permanent effects on humans known from discontinuous long-term exposure when used as directed.

Ecology
No long-term ecological effects.

3. INFORMATION ON INGREDIENTS

This product is to be considered as a substance in conformance to EC directives information on hazardous ingredients
EINECS No.: Unlisted
Hazard Symbols: None listed
Risk Phrases: None listed

4. FIRST AID MEASURES

Skin
Wash off immediately with plenty of soap and water.
Eyes
Flush with plenty water.
Ingestion
Drink large quantities of milk or water. Wash mouth out with water.
Inhalation
Move individual into fresh air. Treat any irritation symptomatically. If necessary, seek medical attention.

5. FIRE FIGHTING MEASURES

Conditions to Avoid
Keep away from heat, sparks and flames. Avoid excess dust in the atmosphere since this is an explosion hazard in the presence of electrical sparks and static.

Fire Fighting Measures
Fight the fire using water spray, sand, dry power or foam.
Protective Equipment
Impervious gloves. Use goggles. Use a dust mask.
Combustion Products/
Carbon monoxide, carbon dioxide, steam and smoke.
Hazardous decomposition

6. ACCIDENTAL RELEASE MEASURES

Contact Information:
Email: sales@sino-cmc.com
www.sino-cmc.com
Caution Wet floors on which this power is spilt may become very slippery. This powder when dispersed in air represents an explosion hazard.

Spillage Sweep up this product for use or place in a container for disposal.

7. HANDLING AND STORAGE

Handling Handle in a well ventilated area. The fine particles and powder should be regarded as an inert, nuisance dust with a threshold limit value of 10mg/m- for total dust and of 3mg/m- for the respirable portion. Avoid static build-up when emptying big bags. Earth all equipment and attach a grounding cable to the bag grounding connection.

Storage Product should be stored, under cover, in a clean wet ventilated area. Maintain a clean area by removing dust. Keep away from heat, sparks and other sources of ignition. Store in a dry area.

Packaging Material to Avoid None. The packaging material should have reasonable moistures and air barrier properties.

8. EXPOSURE CONTRALS/PERSOAL PROTECTION

Engineering controls Handle in a well-ventilated area. Normal industrial hygiene measures should be sufficient.

Protective Equipment Impervious gloves. Use goggles. Use a dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical data are:

Form Free flowing powder or granulate
Color Light cream to white
Odor Odorless
Solubility Complete in water
pH value (25℃) 6.5-8.5 (2% solution)
Dust explosion data: N/A
Auto-flammability (℃) ~370 (dust)
Explosion Limit-lower (g/m-) 165 (dust)
Melting point: 300℃

10. STABILITY AND REACTIVITY

Stability This product is chemically stable.
Reactivity No additional hazardous chemicals are known to be formed when used as directed in this application.

11. TOXICOLOGICAL INFORMATION

Dermal This product is not absorbed percutaneously in rats, rabbits or humans. This product is believed not to cause skin irritation or sensitization.

Eyes This product should not be regard as an eye irritant.

Oral This product is not metabolized in the body. No adverse effects known as a result of ingestion. LD50 rat>2000mg/kg.

Inhalation No effects known.

Additional Information SINOCMC has not determined the safety of this product for medical implant uses.

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity The four days median tolerance limit (TL50) of rainbow trout and bluegills under
static conditions is greater than 100 parts product per million parts of water. 96 h static test LC 50 Oncorhynchus mykiss (rainbow trout): > 100.00 mg/L. 96 h static test LC 50 Lepomis macrochirus (Bluegill sunfish): > 100.00 mg/L. In addition no adverse reactions were noted in the fish exposed to this product. These results demonstrate that sodium CMC has a low order of toxicity in fish.

Biodegradability
This product does not represent a long term ecological problem. It is slowly biodegradable.

WGK Classification 1

13. DISPOSAL CONSIDERATIONS
Disposal Waste incineration or special disposal with the approval of the responsible local authority.

EWC Classification 07 07 99

14. TRANSPORT INFORMATION
No hazardous for sea transport according to IMO IMDG CODE.
RID/ADR: No classification assigned
ADNR: No classification assigned
IMDG Code: No classification assigned
ICAO/IATA-DGR: No classification assigned
UN Number: No classification assigned

15. REGULATORY INFORMATION
Labeling according to EC directives
Danger symbols None
Risk Phrases None
Safety Phrases None

16. OTHER INFORMATION
Update Information Upgraded SDS to 2001/58/EC status
Additional Information Further information and reference on the safety aspects of the product may be obtained from:
SINOCMC Co., Ltd.
R&D. Department.(Email: sales@sino-cmc.com)